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(54) Title: PH-SENSITIVE POLYMER

(57) **Abstract:** The invention relates to a pH-sensitive polymer which is a (meth)acrylate copolymer composed of 20 to 65 % by weight acrylic and/or methacrylic acid units and 80 to 35 % by weight units of C<sub>1</sub>- to C<sub>18</sub>-alkyl esters of (meth)acrylic acid, characterized in that it has a molecular weight in the range from 1 000 to 50 000 g/mol, and brings about at least 60 % haemolysis at pH 5.5, and less than 5 % haemolysis at pH 7.4, in a concentration of 150 µg/ml in a cytotoxicity test with human red blood cells. The invention further relates to the use of the pH-sensitive polymer as carrier for pharmaceutically effective biomolecules or active pharmaceutical ingredients and as ingredient of corresponding dosage forms.

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WO 03/092732 A1